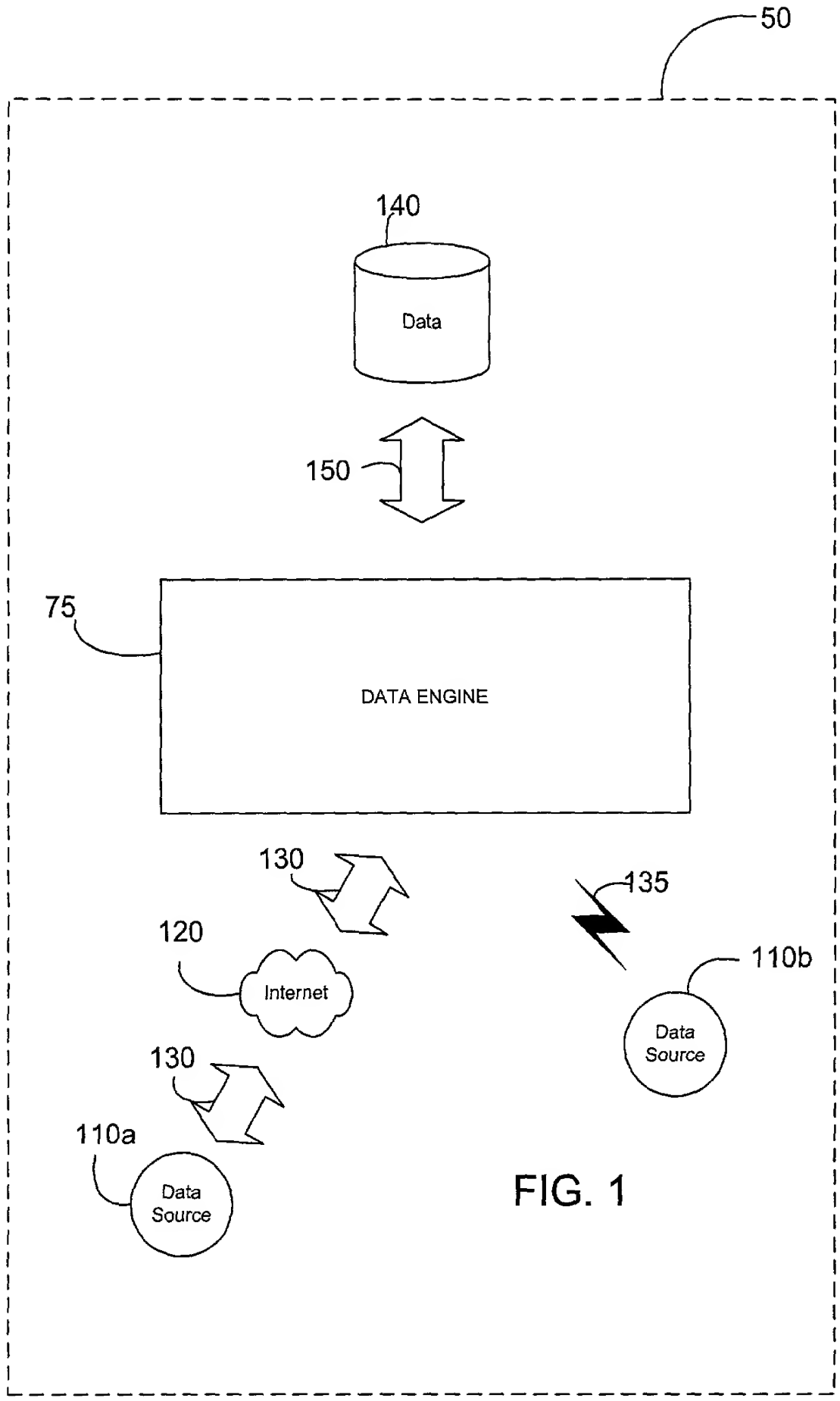

50
140
Data
150
75
DATA ENGINE
130
120
Internet
135
110b
Data Source
130
110a
Data Source

FIG. 1

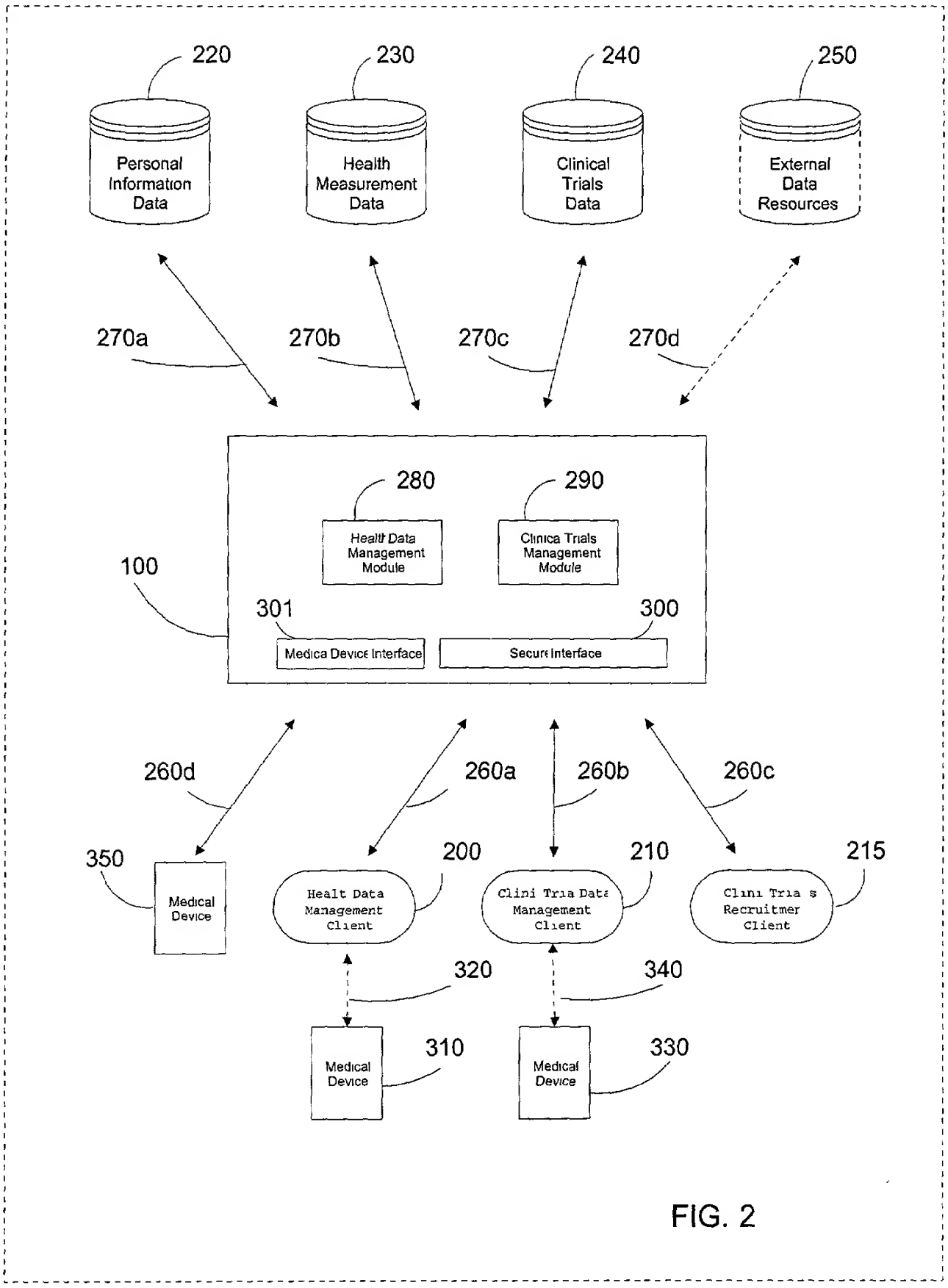

220
230
240
250
Personal Information Data
Health Measurement Data
Clinical Trials Data
External Data Resources
270a
270b
270c
270d
280
290
Health Data Management Module
Clinica Trials Management Module
100
301
300
Medica Device Interface
Secure Interface
260d
260a
260b
260c
350
200
210
215
Medical Device
Healt Data Management Client
Clini Tria Data Management Client
Clini Tria s Recruitmer Client
320
340
310
330
Medical Device
Medical Device

FIG. 2

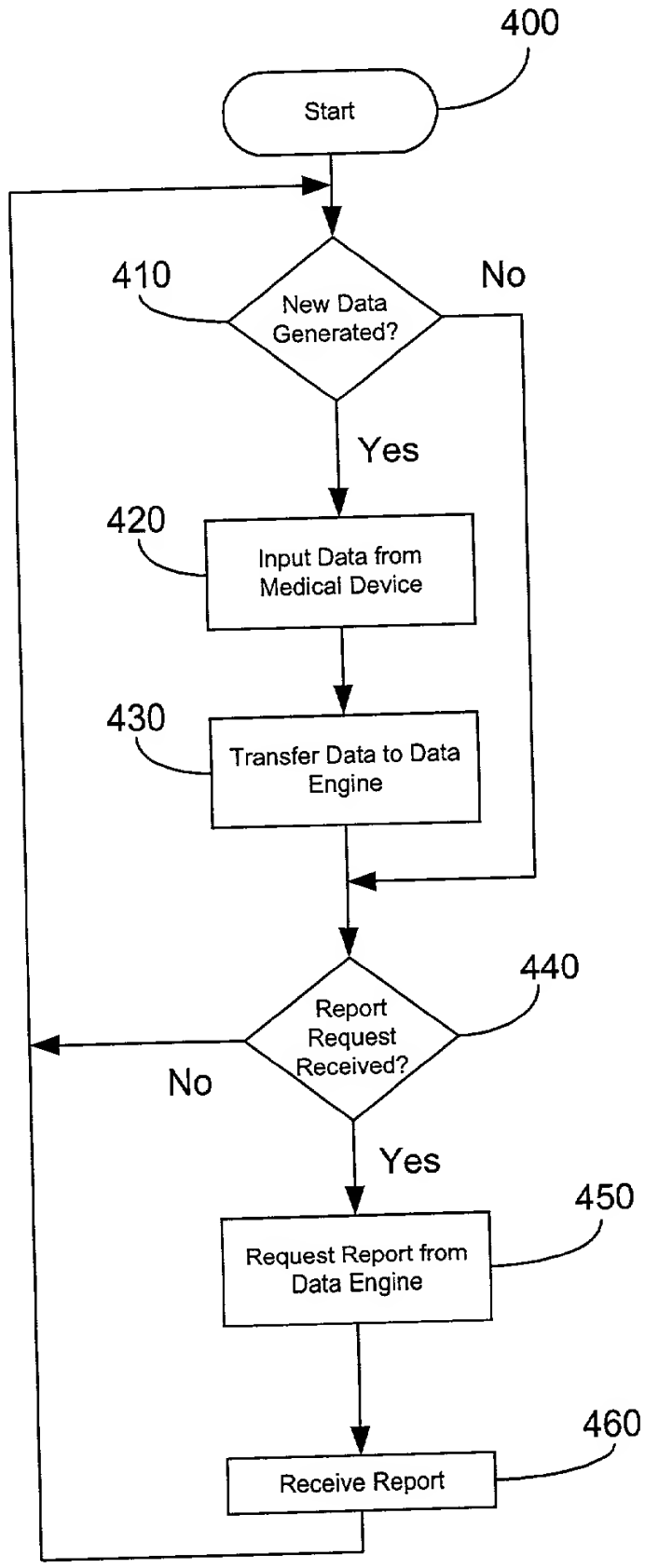

400
Start
410
New Data Generated?
No
Yes
420
Input Data from Medical Device
430
Transfer Data to Data Engine
440
Report Request Received?
No
Yes
450
Request Report from Data Engine
460
Receive Report

Fig. 3

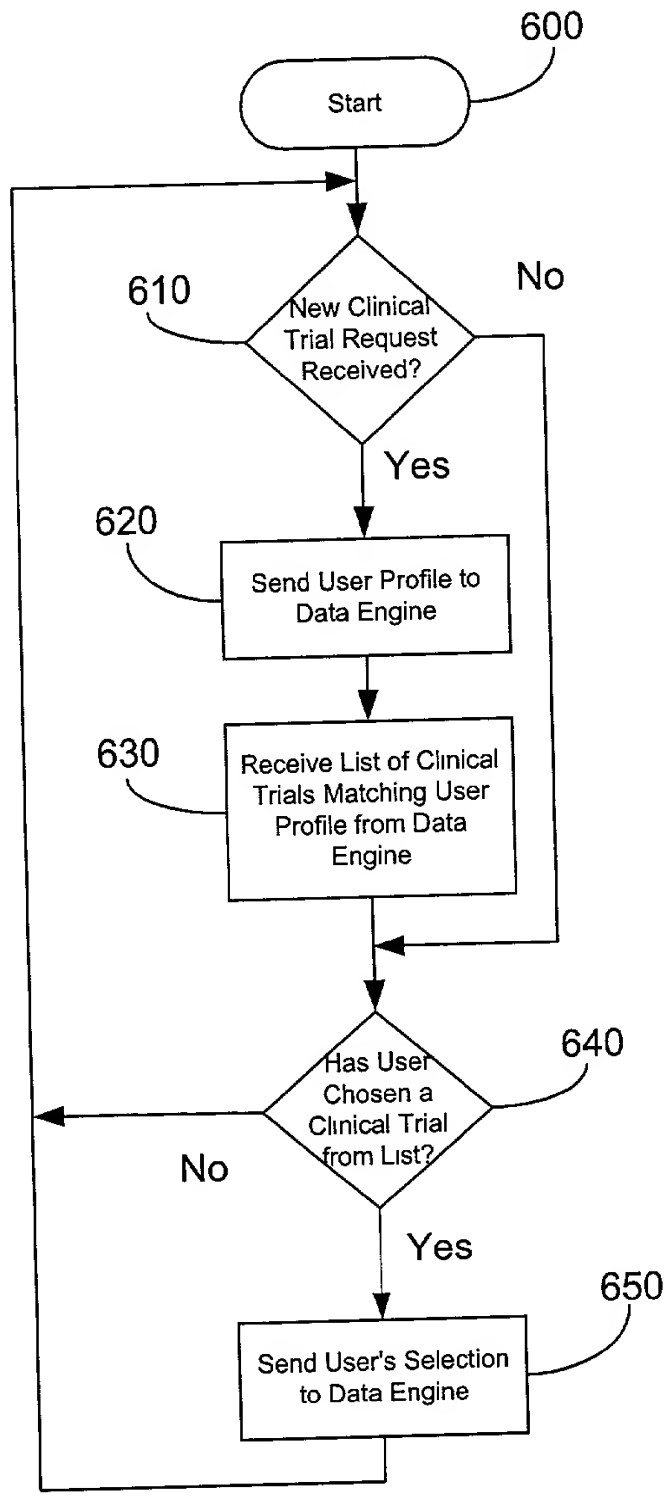

600
Start
610
New Clinical Trial Request Received?
No
Yes
620
Send User Profile to Data Engine
630
Receive List of Clinical Trials Matching User Profile from Data Engine
640
Has User Chosen a Clinical Trial from List?
No
Yes
650
Send User's Selection to Data Engine

Fig. 4

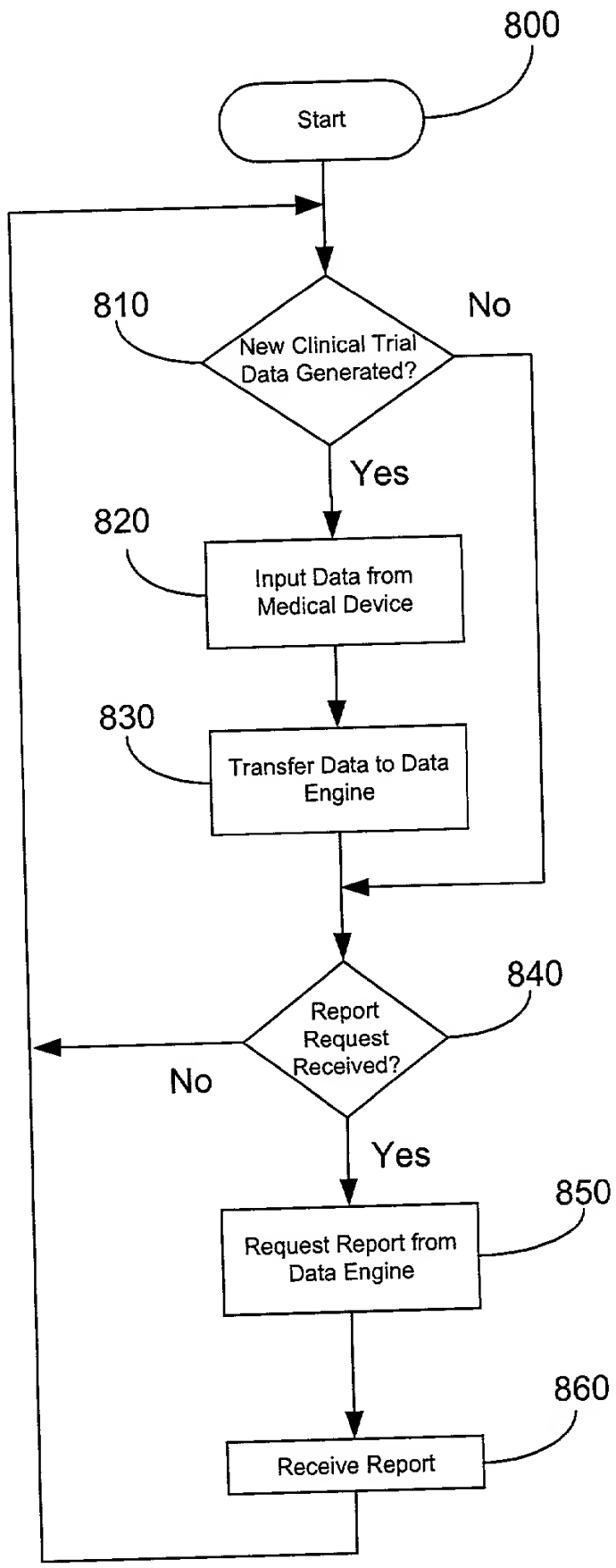

800
Start
810
New Clinical Trial Data Generated?
No
Yes
820
Input Data from Medical Device
830
Transfer Data to Data Engine
840
Report Request Received?
No
Yes
850
Request Report from Data Engine
860
Receive Report

Fig. 5

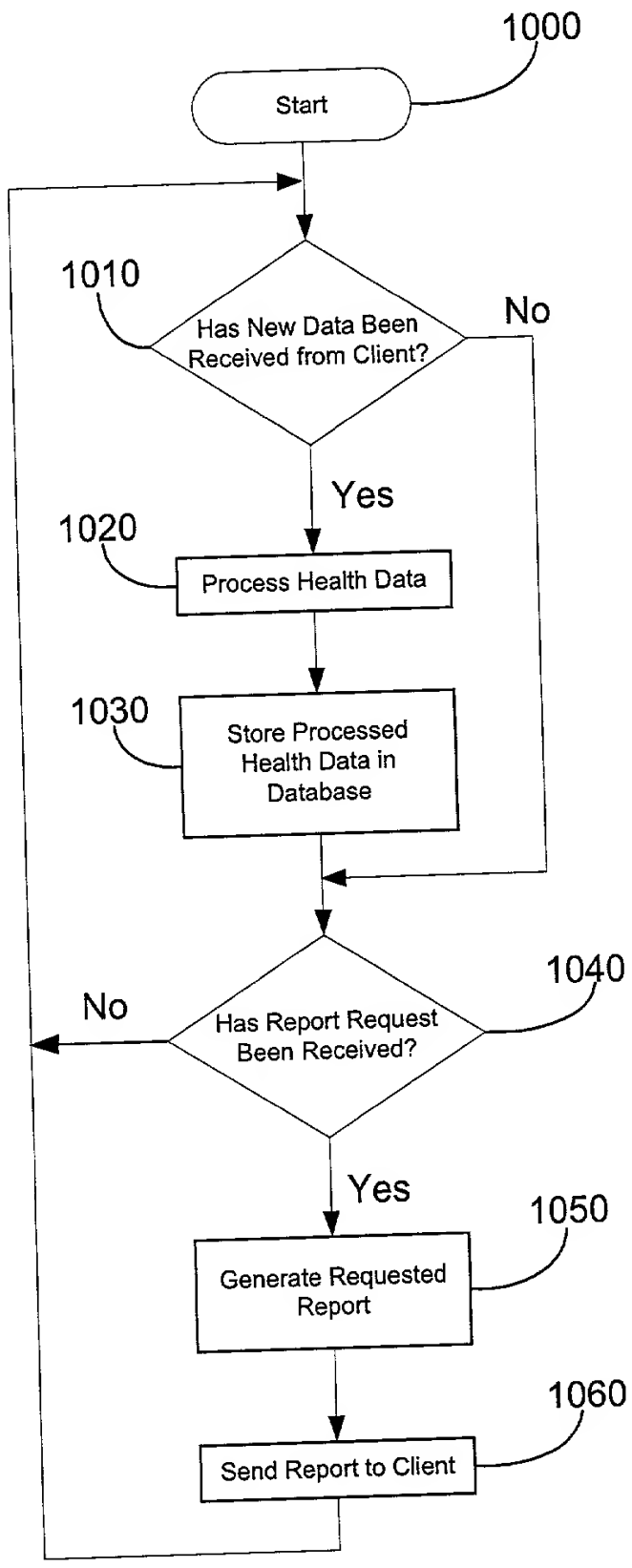

1000
Start
1010
Has New Data Been Received from Client?
No
Yes
1020
Process Health Data
1030
Store Processed Health Data in Database
1040
Has Report Request Been Received?
No
Yes
1050
Generate Requested Report
1060
Send Report to Client

Fig. 6

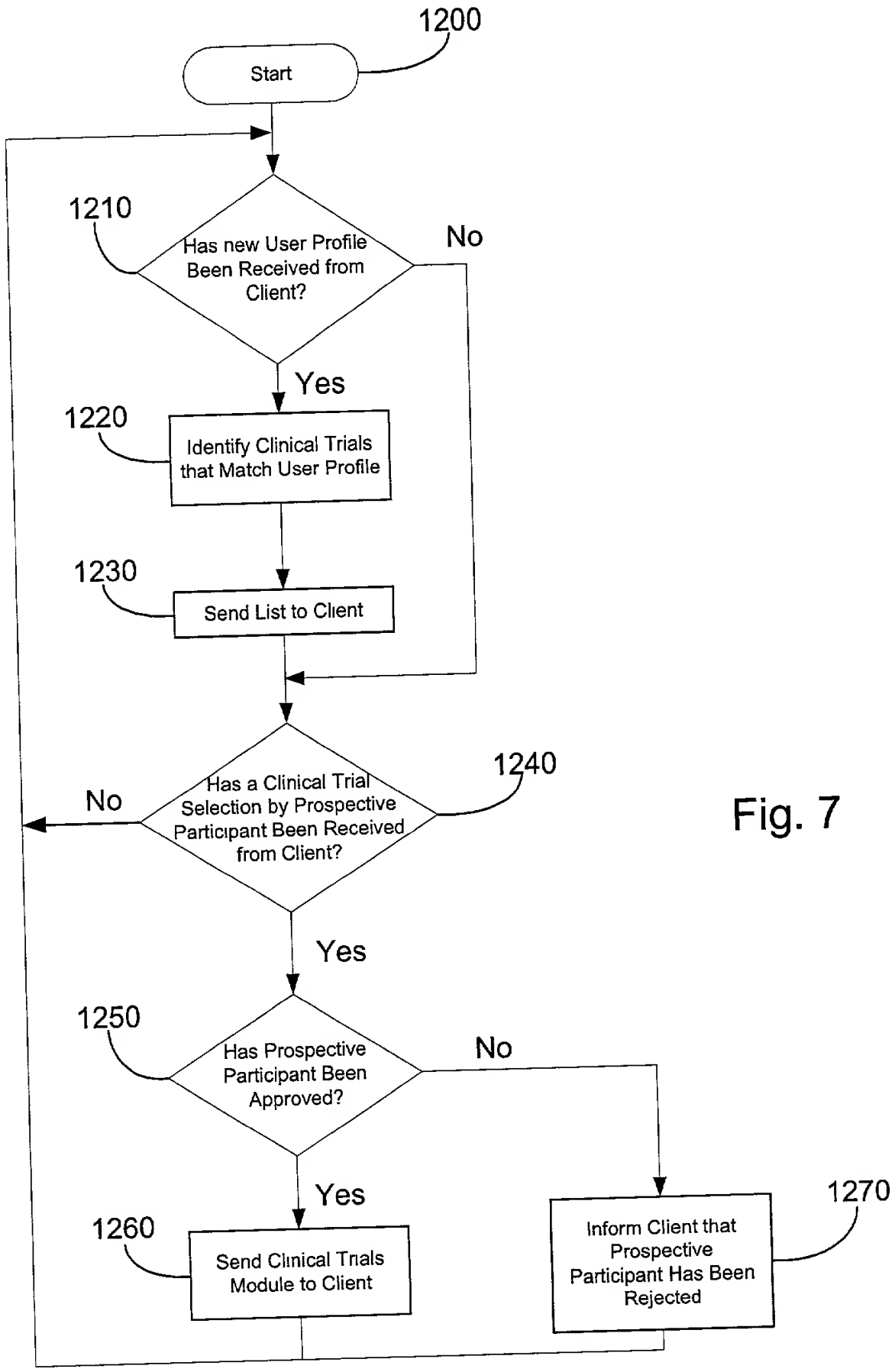

1200
Start
1210
Has new User Profile Been Received from Client?
No
Yes
1220
Identify Clinical Trials that Match User Profile
1230
Send List to Client
1240
Has a Clinical Trial Selection by Prospective Participant Been Received from Client?
No
Yes
1250
Has Prospective Participant Been Approved?
No
Yes
1260
Send Clinical Trials Module to Client
1270
Inform Client that Prospective Participant Has Been Rejected

Fig. 7

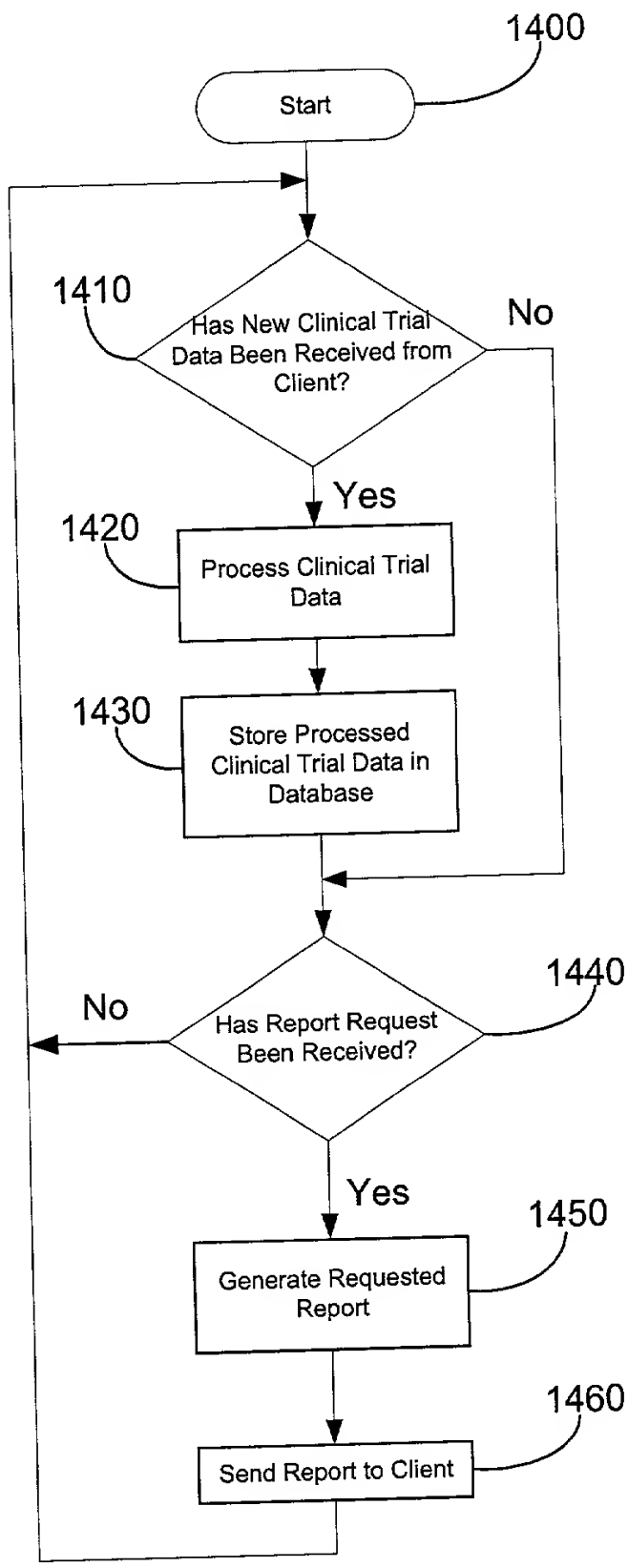
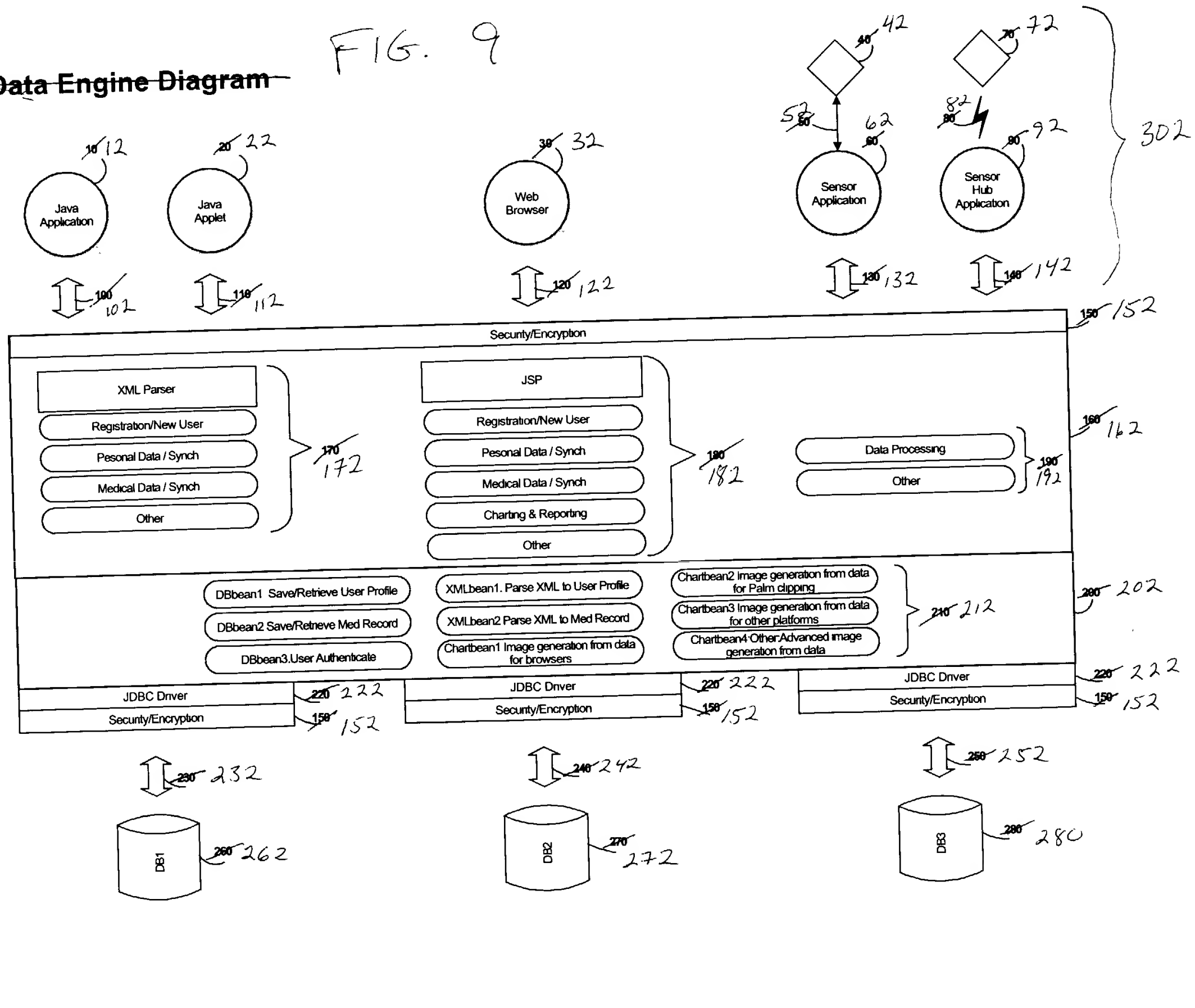

1400
Start
1410
Has New Clinical Trial Data Been Received from Client?
No
Yes
1420
Process Clinical Trial Data
1430
Store Processed Clinical Trial Data in Database
1440
No
Has Report Request Been Received?
Yes
1450
Generate Requested Report
1460
Send Report to Client

Fig. 8

SCANNED,# 22

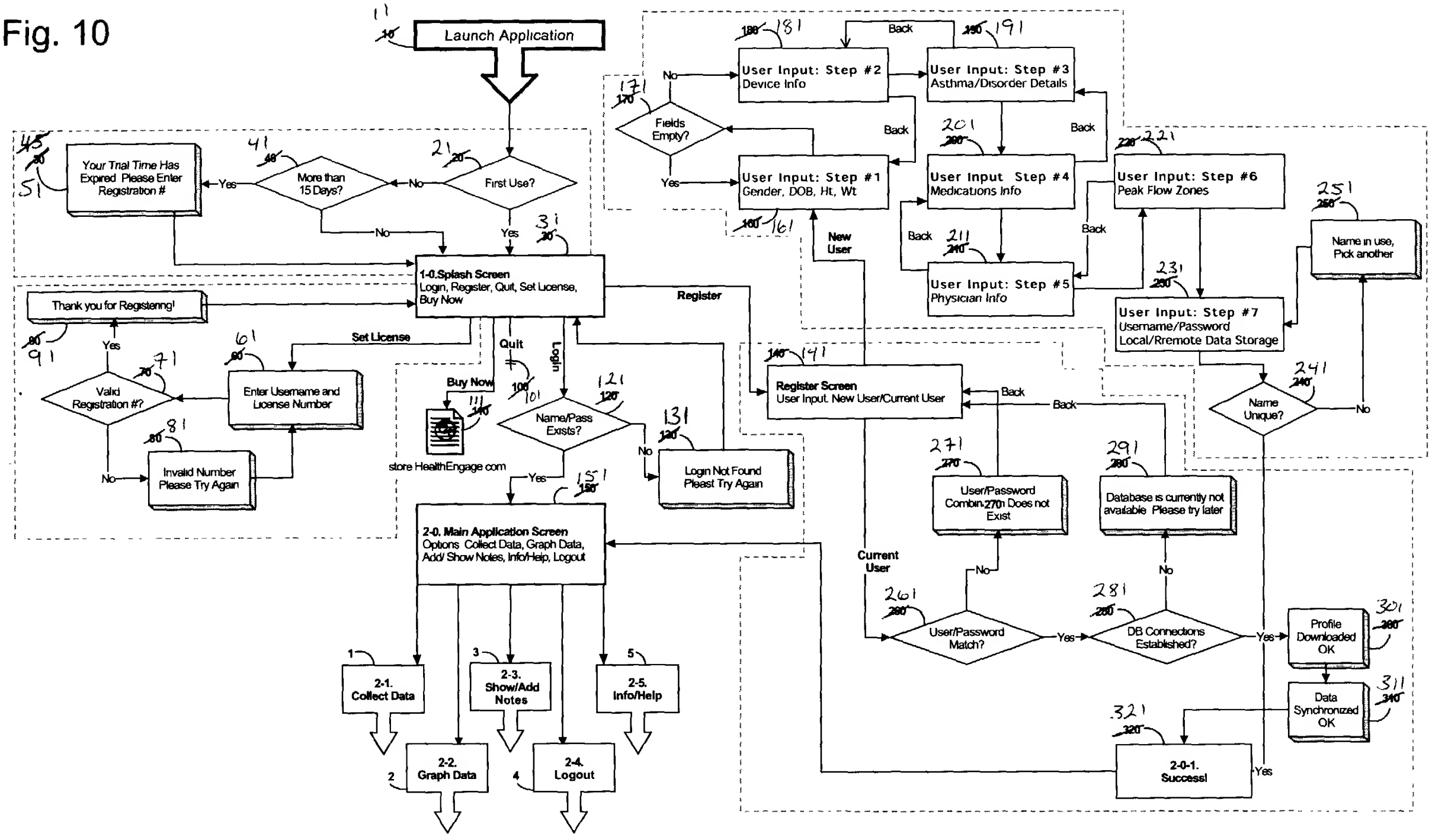
FIG. 9

~~Data Engine Diagram~~



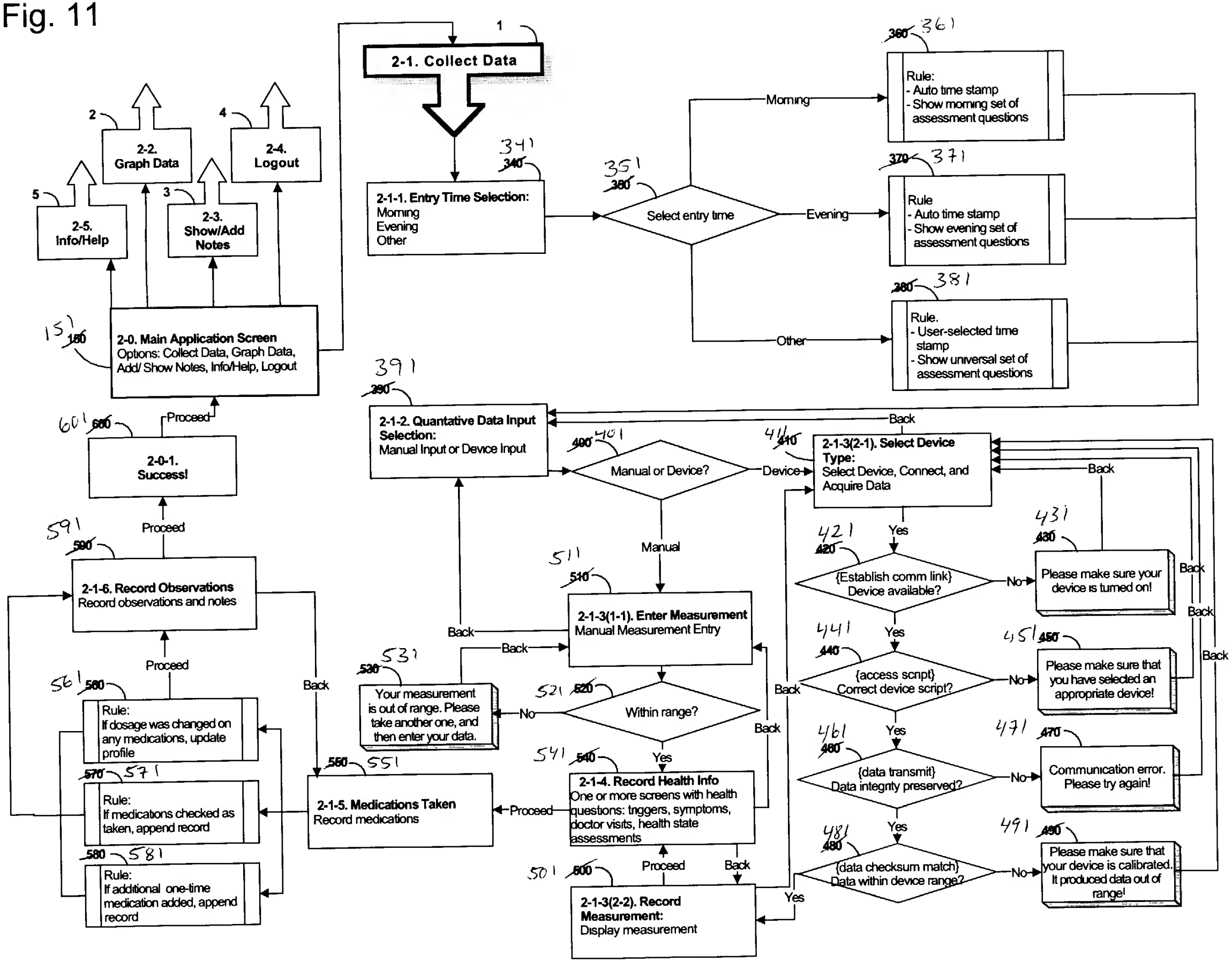
SCANNED,# 22

Fig. 10



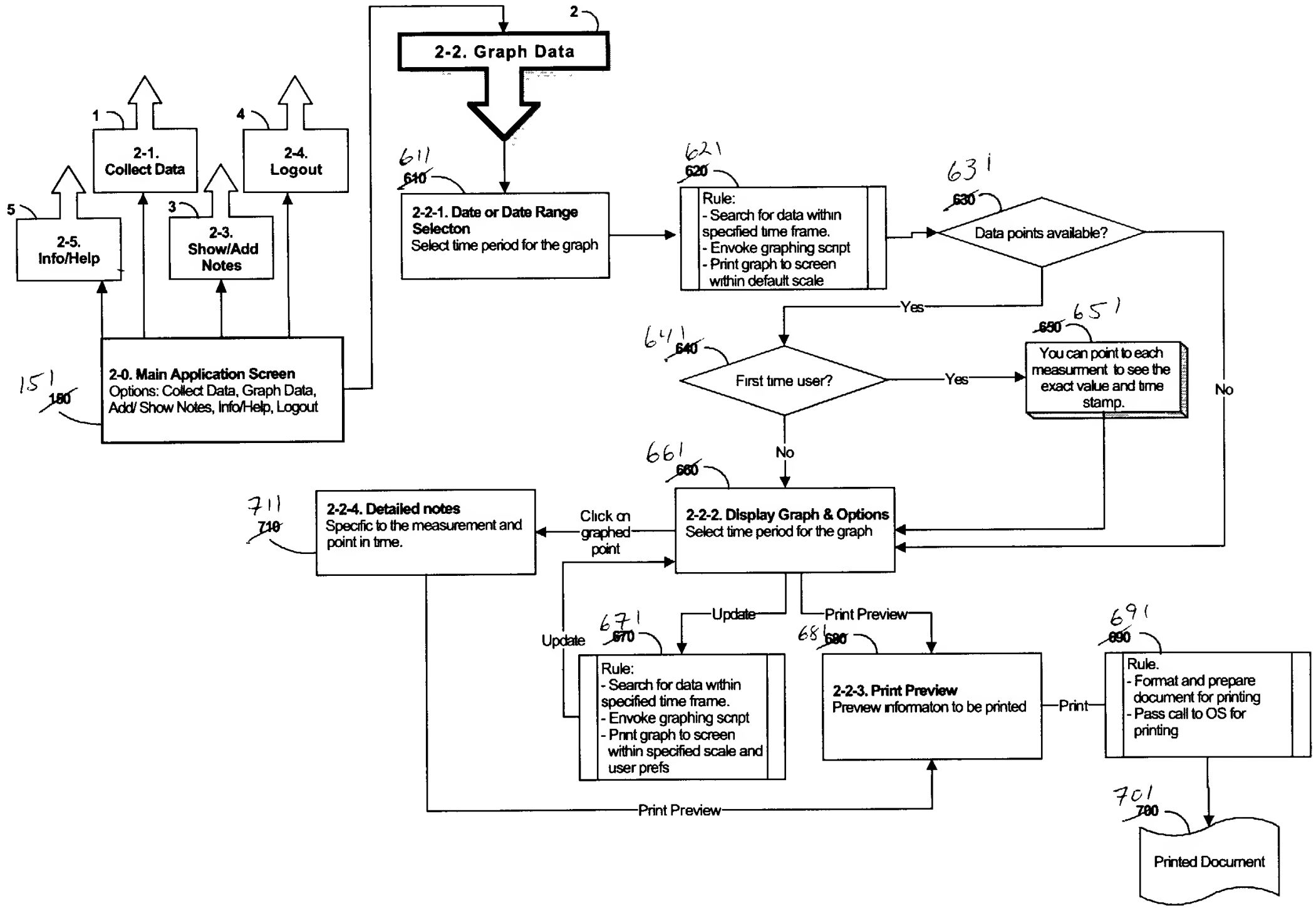
SCANNED,# 22

Fig. 11



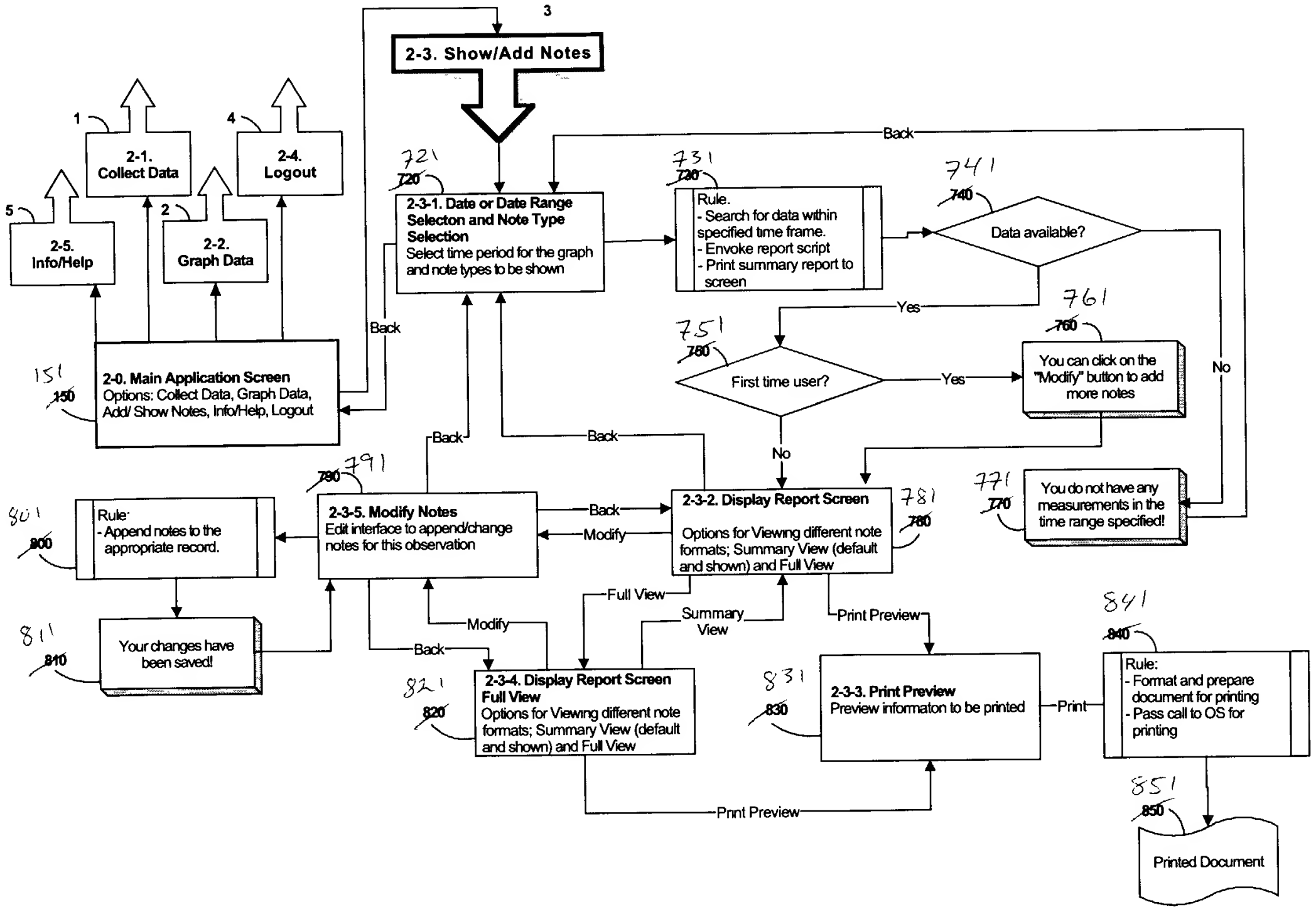
SCANNED,# 22

Fig. 12



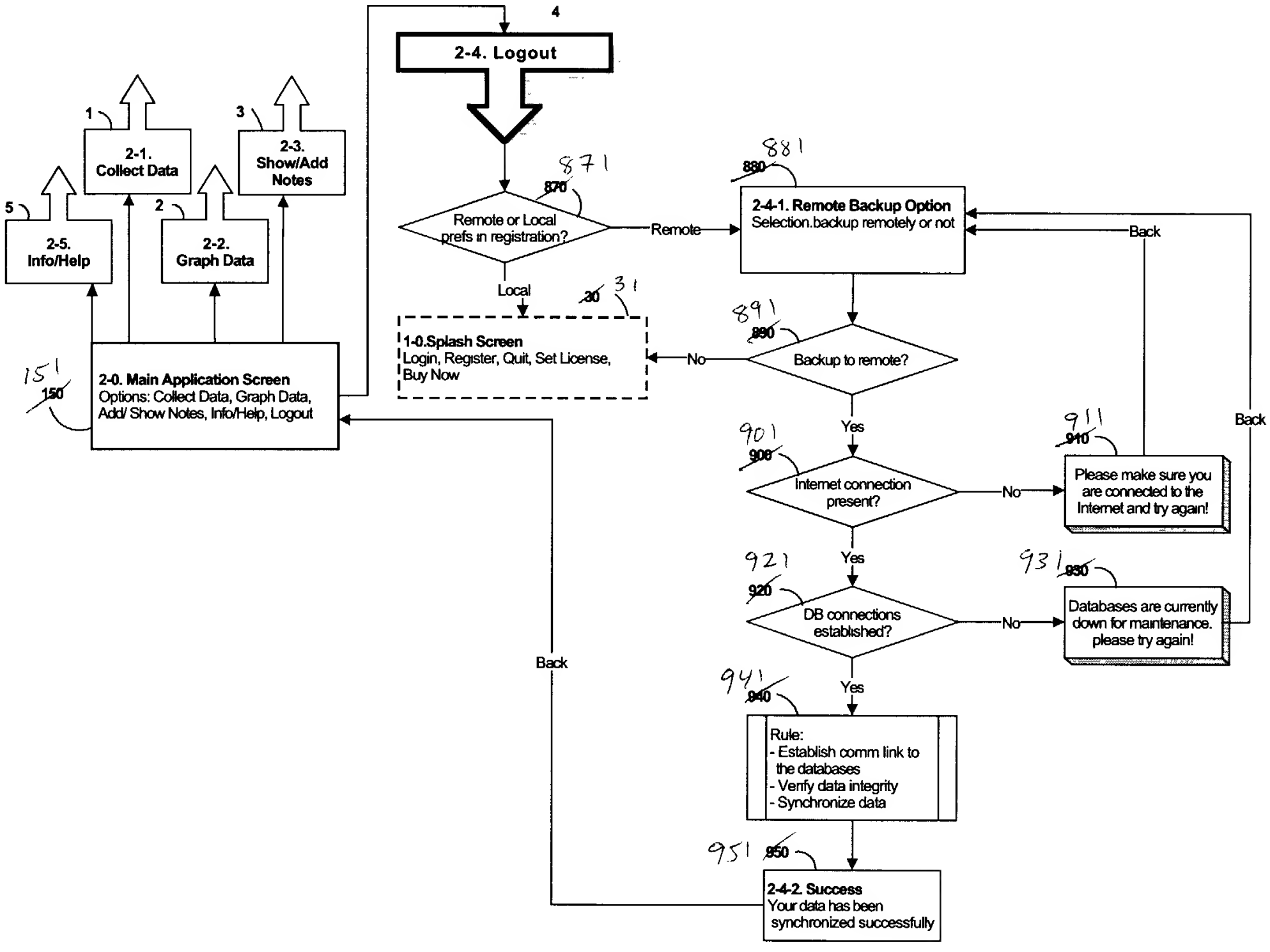
SCANNED,# 22

Fig. 13



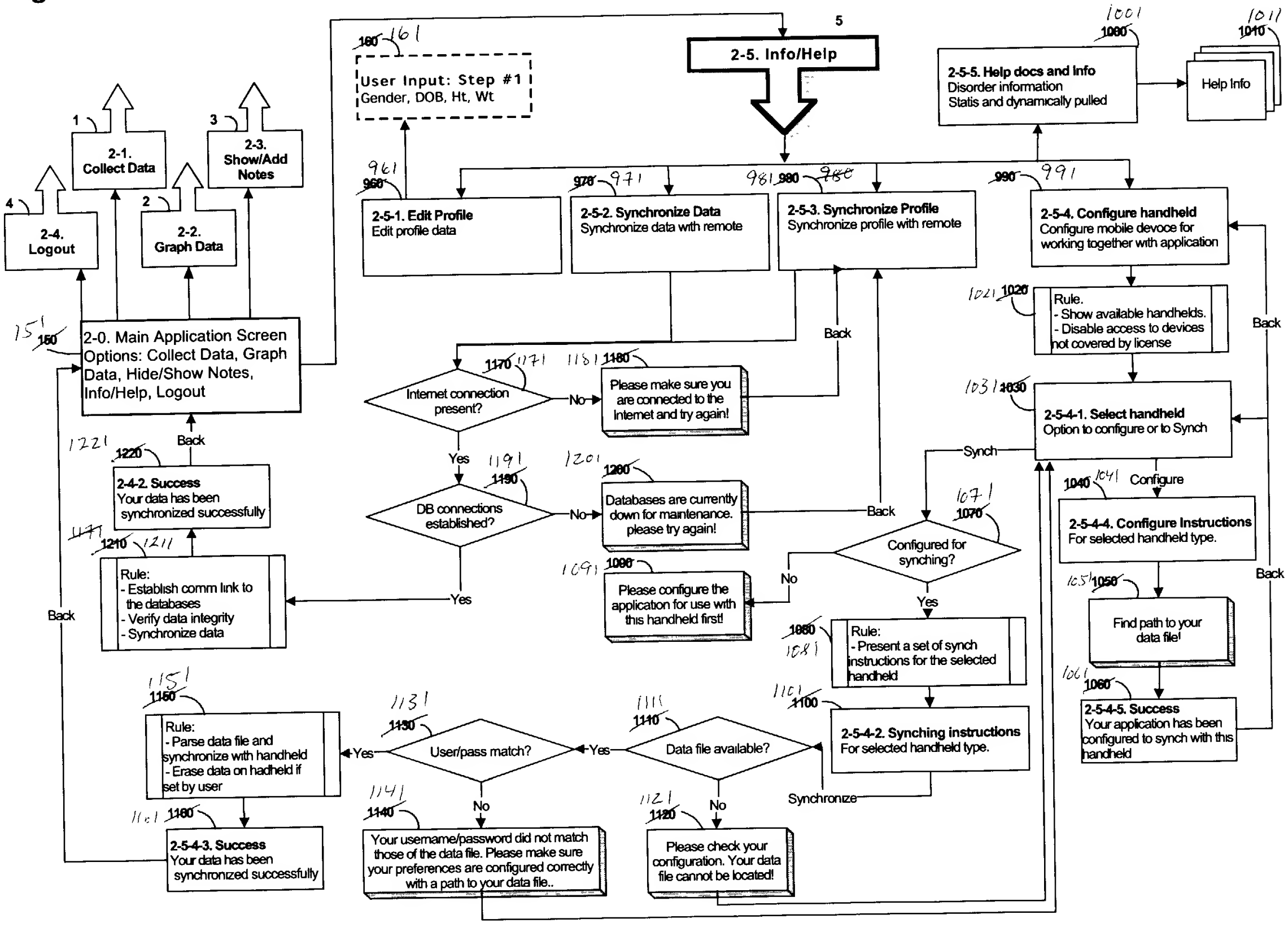
SCANNED,# 22

Fig. 14



SCANNED,# 22

Fig. 15



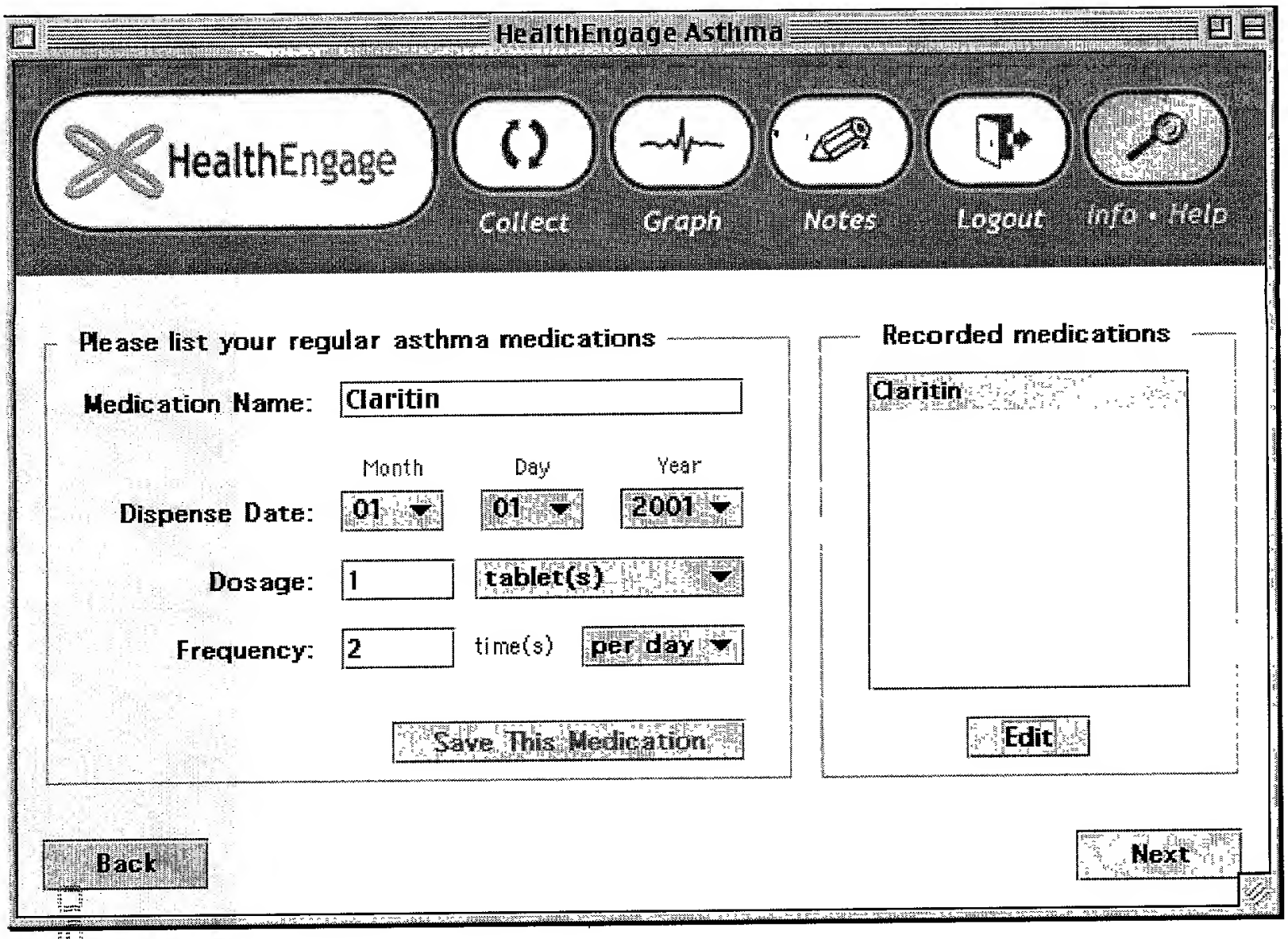

HealthEngage Asthma
HealthEngage
Collect
Graph
Notes
Logout
Info • Help
Please list your regular asthma medications
Medication Name:
Claritin
Month
Day
Year
Dispense Date:
01
01
2001
Dosage:
1
tablet(s)
Frequency:
2
time(s)
per day
Save This Medication
Recorded medications
Claritin
Edit
Back
Next

FIG. 16

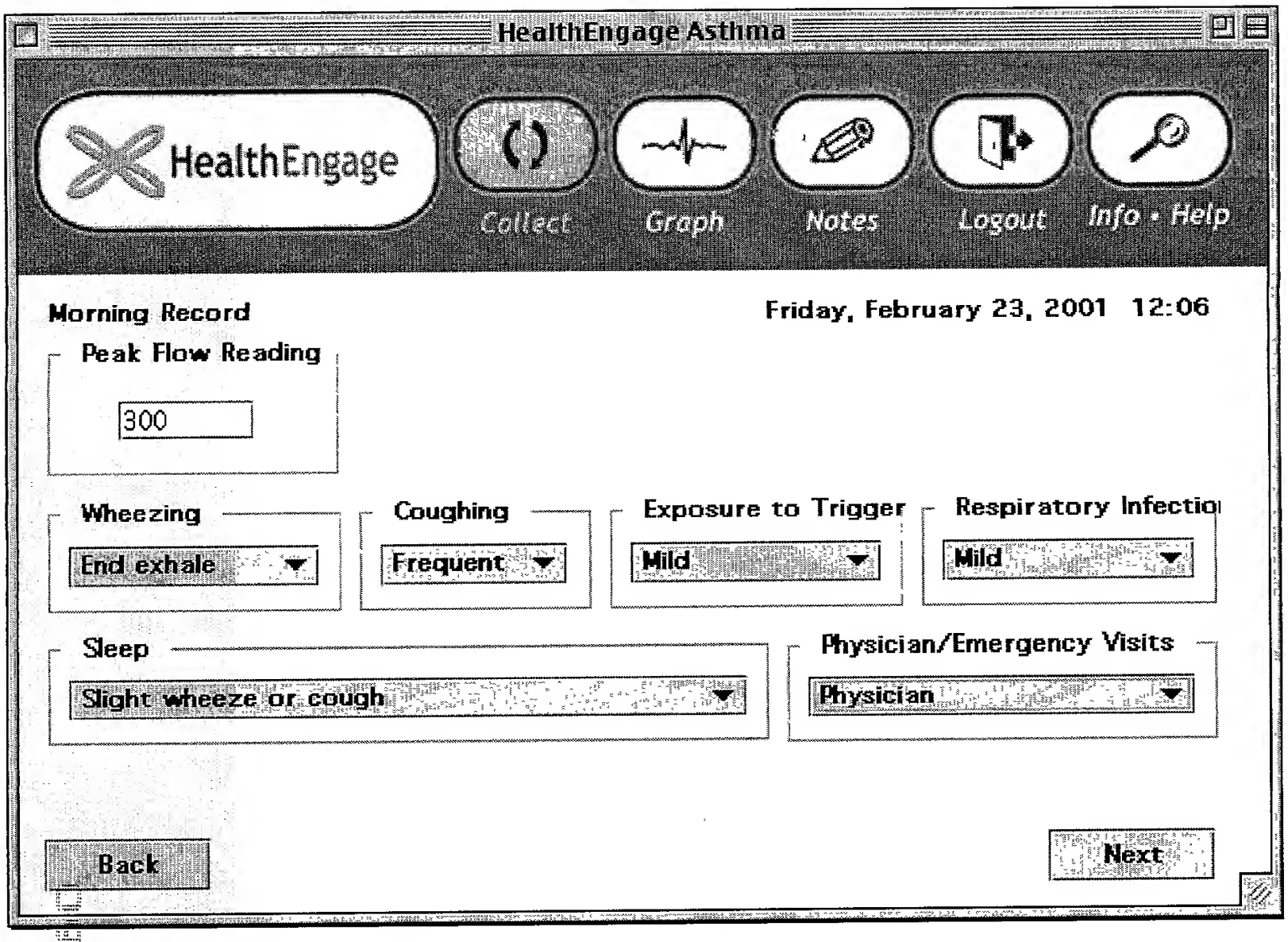

HealthEngage Asthma
HealthEngage
Collect
Graph
Notes
Logout
Info • Help
Morning Record
Friday, February 23, 2001 12:06
Peak Flow Reading
300
Wheezing
End exhale
Coughing
Frequent
Exposure to Trigger
Mild
Respiratory Infectio
Mild
Sleep
Slight wheeze or cough
Physician/Emergency Visits
Physician
Back
Next

FIG. 17